

IN THE CLAIMS

1-2. (canceled)

3. (currently amended) A transfer switch for switching between power sources for a load, said transfer switch comprising:

a plurality of phase plates, each said phase plate comprising a centerline about which said phase plate is configured symmetrically;

a plurality of stationary contact pads associated with each said phase plate, each said stationary contact pad associated with a power source;

a movable contact assembly associated with each said phase plate; ~~and plate,~~  
wherein said movable contact assembly includes a movable finger attached to a braid assembly; and

a shaft connecting said phase plates and upon which each said movable contact assembly is mounted for movement between said stationary contact pads associated with each said phase plate.

4-5. (canceled)

6. (currently amended) A transfer switch in accordance with Claim 3 ~~wherein one of said~~ further comprising movable contact pads mounted on said movable finger, wherein one of said movable contact pads comprises silver and tungsten.

7. (currently amended) A transfer switch in accordance with Claim 3 ~~wherein one of said~~ further comprising movable contact pads mounted on said movable finger, wherein one of said movable contact pads further comprises forty percent silver and sixty percent tungsten.

8. (currently amended) A transfer switch in accordance with Claim 3 ~~wherein one of said~~ further comprising movable contact pads mounted on said movable finger, wherein one of said movable contact pads comprises a curved surface.

9. (currently amended) A transfer switch in accordance with Claim 3 ~~wherein one of said~~further comprising movable contact pads mounted on said movable finger, wherein one of said movable contact pads comprises a waffle-patterned brazed surface.

10. (currently amended) A transfer switch in accordance with Claim 3 ~~wherein one of said~~further comprising movable contact pads mounted on said movable finger, wherein one of said movable contact pads comprises a surface brazed using a BcuP5 alloy.

11. (canceled)

12. (previously presented) A transfer switch in accordance with Claim 3 wherein one of said stationary contact pads further comprises 50 percent silver, 37.5 percent tungsten, and 12.5 percent tungsten carbide.

13. (canceled)

14. (previously presented) A transfer switch in accordance with Claim 3 wherein one of said stationary contact pads comprises a surface brazed using a BcuP5 alloy.

15. (currently amended) A transfer switch in accordance with Claim 3 further comprising movable contact pads mounted on said movable finger, wherein said movable finger configured to bring one of said movable contact pads into contact with one of said stationary contact pads using a sweeping action.

16. (currently amended) A transfer switch in accordance with Claim 3 further comprising movable contact pads mounted on said movable finger, wherein said movable finger configured to remove one of said movable contact pads from contact with one of said stationary contact pads using a sweeping action.

17. (currently amended) A transfer switch in accordance with Claim 3 wherein said stationary contact pads are associated with phase currents and a neutral current, and wherein each of said stationary contact pads further comprises a ~~thickness, first thickness, said first thickness of said stationary contact pad~~ associated

with the neutral current greater than ~~said thicknesses~~ a second thickness of said stationary contact pads associated with the phase currents.

18. (canceled)

19. (previously presented) A transfer switch in accordance with Claim 6 wherein said braid assembly comprises a single-piece braid and mounting ports configured to prevent rotation of said braid assembly.

20. (canceled)

21. (currently amended) A transfer switch in accordance with Claim 6 further comprising a mechanical drive assembly configured to rotate said movable finger, wherein said mechanical drive assembly further comprises a solenoid assembly, a fork assembly and a mass driver assembly, said solenoid assembly linked to said mass driver assembly, said mass driver assembly movably connected to said fork assembly.

22. (currently amended) A transfer switch ~~in accordance with Claim 6~~ for switching between power sources for a load, said transfer switch comprising:

a plurality of phase plates, each said phase plate comprising a centerline about which said phase plate is configured symmetrically;

a plurality of stationary contact pads associated with each said phase plate, each said stationary contact pad associated with a power source;

a movable contact assembly associated with each said phase plate, wherein said movable contact assembly includes a movable finger;

a shaft connecting said phase plates and upon which each said movable contact assembly is mounted for movement between said stationary contact pads associated with each said phase plate; and

a mechanical drive assembly configured to rotate said movable finger, wherein said mechanical drive assembly includes a fork assembly and a mass driver assembly, wherein said mass driver assembly and said fork assembly each comprise a plurality

of stopping surfaces, said stopping surfaces configured to cooperate in controlling motion of said mechanical drive assembly.

23. (currently amended) A transfer switch ~~in accordance with Claim 6~~for switching between power sources for a load, said transfer switch comprising:

a plurality of phase plates, each said phase plate comprising a centerline about which said phase plate is configured symmetrically;

a plurality of stationary contact pads associated with each said phase plate, each said stationary contact pad associated with a power source;

a movable contact assembly associated with each said phase plate;

a shaft connecting said phase plates and upon which each said movable contact assembly is mounted for movement between said stationary contact pads associated with each said phase plate; and

a fork assembly, wherein said fork assembly comprises an internal geometry allowing for a series of transition points based on movement of movable contacts between stationary contacts.~~said stationary contact pads.~~

24. (currently amended) A transfer switch in accordance with Claim 6 further comprising a mechanical drive assembly configured to rotate said movable finger, wherein said mechanical drive assembly includes a fork assembly, wherein said fork assembly comprises a centerline about which said fork assembly is symmetrical.

25. (currently amended) A transfer switch in accordance with Claim 6 further comprising a mechanical drive assembly configured to rotate said movable finger, wherein said mechanical drive assembly includes a mass driver assembly, wherein said mass driver assembly further comprises a manual handle insertion point and positional indicators.

26-28. (canceled)

29. (previously presented) A transfer switch in accordance with Claim 7 wherein said movable contact assembly further comprises a carrier cover, said cover further comprising embedded alignment features.

30. (currently amended) A transfer switch in accordance with Claim 7 wherein said movable contact assembly further comprises a carrier, and said carrier comprises an acceptance hole for said shaft.

31. (currently amended) A transfer switch in accordance with Claim 7 wherein said movable contact assembly further comprises a carrier, said carrier includes an acceptance hole for said shaft, and said acceptance hole is hexagonal.

32. (currently amended) A transfer switch in accordance with Claim 7 wherein said movable contact assembly further comprises a carrier, and said carrier comprises integral baffling.

33. (currently amended) A transfer switch in accordance with Claim 7 wherein said movable contact assembly further comprises a carrier cover and a carrier, and said carrier and said cover comprise braid shields.

34-35. (canceled)

36. (currently amended) A transfer switch in accordance with Claim 8 further comprising a plurality of arc chute assemblies, wherein said phase plates are associated with said arc chute assemblies, and one of said arc chute assemblies further comprises two identical arc chute plates reversible for assembly.

37. (currently amended) A transfer switch in accordance with ~~Claim~~ Claim 36 wherein said arc chute plates comprise molded thermoset plastic.

38. (currently amended) A transfer switch in accordance with Claim 8 further comprising a plurality of arc chute assemblies, wherein said phase plates are associated with said arc chute assemblies, and one of said arc chute assemblies further comprises a plurality of deion plates locked in a plurality of embedded locking locations.

39. (currently amended) A transfer switch in accordance with Claim 8 further comprising a plurality of arc chute assemblies, wherein said phase plates are associated with said arc chute assemblies, and one of said arc chute assemblies further comprises a plurality of venting orifices.

40-47. (canceled)

48. (new) A transfer switch in accordance with Claim 3 wherein said braid assembly comprises a single-piece braid.

49. (new) A transfer switch in accordance with Claim 3 wherein said braid assembly comprises a single-piece braid onto which ferrules are slipped and crimped.